## Colloids and Surfaces A: Physicochemical and Engineering Aspects 123–124 (1997) 705–706

## **Author Index**

| Advincula, R., | 443 |
|----------------|-----|
| Auvray, X., 24 | 47  |
| Azemar, N., 5  | 75  |

Backlund, S., 125 Bellocq, A.-M., 253 Bergeron, V., 609 Birdi, K.S., 543 Blomberg, E., 341 Borwankar, R.P., 155 Bouwstra, J.A., 71, 403 Brink, C., 297 Burns, N.L., 341

Caelles, J., 575 Campbell, B., 155 Carambassis, A., 369 Chew, C.-H., 681 Christenson, H.K., 355 Christian, S.D., 695 Claesson, P.M., 339, 341 Coderch, L., 115, 415

Dalgleish, D.G., 145 de la Maza, A., 115, 415 Dékány, I., 391 Dönges, R., 307 Dukhin, S.S., 195, 209

Eccleston, G.M., 169 Ese, M.-H., 225, 479 Esquena, J., 575 Exerowa, D., 277

Ficheux, M.-F., 253 Filankembo, A., 561 Førdedal, H., 225 Fredheim, A.O., 623 Friberg, S.E., 329, 549 Friman, R., 125 Gan, L.-M., 681 Garti, N., 233 Glantz, P.-O., 657 Goller, M.I., 183 Guo, R., 587 Guo, W., 695 Gurkov, T.D., 155

Hallett, F.R., 145
Hanssen, J.E., 609
Haraszti, T., 391
Higashi, N., 433
Hilbig, J., 307
Hild, A., 515
Hoffmann, H., 307
Hofland, H.E.J., 71
Holmberg, K., 297
Holt, Ø., 195, 209, 593

Infante, MaR., 49 Ivanov, I.B., 155 Ivanova, R., 277

Ji, S., 635 Junginger, H.E., 71

Karlsson, S., 125 Kästner, U., 307 Knoll, W., 443 Koglin, E., 523 Kolarov, T., 277 Kosmella, S., 265 Kötz, J., 265 Kreisig, S., 523 Krishnakumar, S., 491 Krustev, R., 383 Kurihara, K., 7, 425 \_ Kvalheim, O.M., 135

Larsson, K., 651 Larsson, M., 651 Lattes, A., 37, 247 Li, G., 107, 473 Li, M., 635 Libnau, F.O., 329 Lindberg, R., 549 Lindman, B., 13 Liu, T.Q., 587 Løken, K.-P., 623 Lopez, O., 415 Lu, T., 107

Ma, C., 473 Magdassi, S., 671 Malmsten, M., 297 Marinova, K.G., 155 Mishchuk, N.A., 195

Nagamura, T., 457 Nakagaki, M., 283 Nallet, F., 253 Narres, H.-D., 515 Nedyalkov, M., 383 Neuman, R.D., 369 Nikolov, A.D., 375 Nilsen, F.P., 593 Ninham, B.W., 7 Niwa, M., 433

Obey, T.M., 183 Olsson, U., 13 Öye, G., 329

Parra, J.L., 115, 415 Paulson, O.E.H., 341 Petipas, C., 247 Pettersen, B., 549 Pileni, M.P., 561 Pinazo, A., 49 Platikanov, D., 383 Pons, R., 575

Rico-Lattes, I., 37, 247 Romsted, L.S., 89

| Rønningsen, H.P., 225  | Su, H., 107   | Vincent, B., 183  |
|--|---|---|
| Rusling, J.F., 81  | Su, J., 635   | Vinogradova, O.I., 7  |
| Rutland, M.W., 369   | Sui, W., 473  | -   |
| Sæten, B.G., 135<br>Sæther, Ø., 135, 209<br>Scamehorn, J.F., 695<br>Schwuger, M., 515<br>Schwuger, M.J., 523             | Sundholm, G., 549  Tadros, Th.F., 277  Tang, J., 473  Tanori, J., 561  Tarazona, A., 523  Tarovski, A., 209  Teare, D.O.H., 183 | Wasan, D.T., 375<br>Wegener, M.R., 183<br>Wennerström, H., 13<br>West, S.J., 145<br>Willing, G.A., 369<br>Wu, Z., 635 |
| Sedev, R., 277<br>Seguer, J., 49<br>Séquaris, JM., 515   | Tiberg, F., 297<br>Toft, J., 135<br>Tucker, E.E., 695   | Xu, G., 473   |
| Shimabayashi, S., 283<br>Shoghl, F.N., 609<br>Sjöblom, J., 135, 195, 209, 225,<br>329, 479, 549, 593<br>Skodvin, T., 593 | Uchiyama, H., 695<br>Uno, T., 283<br>Urdahl, O., 225, 623   | Yang, Y., 635<br>Yao, J., 89<br>Yuste, I., 115  |
| Söderman, O., 13<br>Solans, C., 575<br>Somasundaran, P., 491   | van Hal, D.A., 71<br>Velev, O.D., 155<br>Verbich, S.V., 209   | Zana, R., 27<br>Zhang, W., 107<br>Zheng, L., 107  |



Colloids and Surfaces
A: Physicochemical and Engineering Aspects 123–124 (1997) 707–709

## Subject Index

2D-assemblies, 433 4,4'-Bipyridinium, 457

ab initio calculations, 523
Additives, 155
Adsorption, 355, 491, 515
Aggregation, 125
Alcohol binding constant, 89
Alkanoic acid—alkylamine complexation, 125
Alternating layers, 443
Amines, 479
Amphiphiles in organic solvents, 27
Amphiphilic porphyrin, 457
Anti-inflammatory drugs, 115
Antimicrobials, 49
AOT-Lamellar phase, 253
Arenediazonium salt, 89

Benzoic acid, 135 Biological Applications, 37 Block copolymer surfactants, 277 Brewster angle microscopy, 473

Capillary condensation, 355 Capillary melting, 355 Cellulose surfaces, 369 Cetylpyridinium chloride, 695 Charge density, 265 Charged surfactant bilayers, 253 Chemical trapping, 89 Chemo receptor system, 651 CIDEP, 107 Coalescence, 209 Colloidal assemblies, 561 Colloid chemistry, 593 Common black films, 383 Competitive coadsorption, 523 Complexation, 135 Condensation, 329 Copper metal, 561 Cosmetics, 671

Cross-linking, 183 Crude oil, 635 Curved films, 375

d-Limonene, 115
Delivery systems, 671
Dermatological emulsions, 169
Dialysis, 695
Dielectric spectroscopy, 225
Disjoining pressure, 277
Dispersive deactivation of excited triplet state, 457
Double emulsions, 233

Electrochemistry, 81
Electrokinetic potential, 209
Electron transfer, 81
Electrophoresis rate, 209
Emulsification, 575
Emulsifying wax, 169
Emulsion, 575
Emulsion films, 155
Emulsion microstructure, 169
Emulsions, 183, 225
Enhanced oil recovery, 609

Fatty amines, 135
Fibrinogen, 297
Flow, 623
Foam films, 383
Food flavor perception, 651
Food proteins, 145
Formation of proteoliposomes, 415
Free liquid films, 277
Free unsaturated fatty acids, 115
FT-IR spectroscopy, 329
Functionalized monolayers, 425

Gas-blocking foams, 609 Gas permeation, 383 Glycolipids, 49 Hexadecane, 543
Homogenization, 145
Host-Guest systems, 425
Hydration water, 329
Hydrocarbon foam films, 609
Hydrolysis, 329
Hydrophobicity, 7
Hydrophobization, 391
Hydroxyapatite, 283

Interaction, 473 Interfaces, 543 Interfacially active components, 225 Interfacial phenomena, 657 Interparticle forces, 339 Ionenes, 443

Kaolinite, 515

Lamellar liquid crystal, 265, 587 Langmuir-Blodgett films, 425, 457 Layer double hydroxide, 391 Layer silicate, 391 LBK films, 443 Light scattering, 145 Lipoamino acids, 49 Lipopeptides, 49 Liquid films, 375 Lotions and creams, 169 Lyotropic liquid-crystals, 247

Macroemulsions, 13 Macromolecular amphiphiles, 27 Membrane, 403 Method, 375 Mica surfaces, 341 Micelle, 107 Micelles, 81 Microemulsion, 89 Microemulsion polymerization, 681 Microemulsions, 13 Microgels, 183 Microparticles, 575 Microporous polymer composites, 681 Mixed emulsifier, 169 Molecular recognition, 425, 433 Monodisperse, 575 Monodisperse silica particles, 549 Monolayer composition, 523 Monolayer permeability, 383 Monolayers, 433 Monolayer stability, 479 Multiple emulsions, 233 Multivariate analysis, 549

Nanoparticles, 561 Neutron scattering spectra, 253 NLO chromophores, 443 NMR self-diffusion, 125 Non-aqueous solvents, 247 Nonionic surfactants, 71

Octyl glucoside solubilization, 415 Offshore crude oil, 593 Oil-water emulsions, 195 Oil molecular-weight, 89 Olfactory receptors, 651 Oligomeric amphiphiles, 27 Optical density, 209 Optical waveguide (OWG) method, 457 Oral cavity, 657

p-benzosemiquinone, 107 p-tert-butylphenol, 695 Particle sizes, 145 PbS, 587 Percutaneous absorption, 115 Petroleum production, 593 Petroleum transport, 593 Phase behaviour, 355 Phase diagrams, 115, 125 pH effects, 341 Photocurrents, 457 Photoinduced electrochromism, 457 Pig stratum corneum, 415 Plane-parallel, 375 Polyamphiphiles, 27 Polydimethylsiloxane, 183 Polyelectrolyte, 433 Polyelectrolyte-surfactant complexes, 695 Polyelectrolytes, 265 Poly(ethylene glycol), 297 Poly(ethylene imine), 341 Polymer adsorption, 283 Polymer brush, 277 Polymers, 491 Polymer self-assembly, 443 Polyvinylpyrrolidone, 473, 515 Protein adsorption, 297 Protein rejection, 297 Proteins, 155, 543 Protein stabilized emulsions, 145

Radiation grafting, 297
Radical, 107
Rate constants, 329
Reactivity, 7
Realistic field conditions, 623
Redox chromophores, 457

Reversible Brownian coagulation, 195 Rheology, 265

Salt effects, 341 SAXS, 265 Scanning probe microscopy, 369 Secondary structural transition, 433 Self-assembled films, 391 Self-association, 37 SERS microprobe spectroscopy, 523 Silica, 575 Size dependence, 549 Skin, 403 Slow coagulation, 209 Sodium carboxymethyl cellulose, 307 Sodium dodecylsulfate, 695 Sodium oleate, 115 Sol-gel technique, 549 Solid-liquid interface, 491 Solubilization, 695 Solvent-head-group interaction, 247 Solvent extractions, 415 Specific adsorption of ions, 383 Specific interactions, 155 Specific ion absorption, 7 Spherical micelle structure, 27 Stability, 225 Stability ratio, 209 Stearic acid monolayers, 479 Steric stabilization, 277 Stratum corneum disaggregation, 415

Structure and solution properties, 307

Sugar, 37

Surface complex, 283

Surface crystallization, 543
Surface force measurements, 369
Surface interactions, 339
Surface micelles, 81
Surface plasmon spectroscopy, 391, 443
Surface pressure, 473
Surfactant-polymer interaction, 283
Surfactants, 37, 49, 491
Suspension stability, 283
Swelling, 183

Tetradecyl betaine, 473
Tetramethyl orthosilcate, 329
Thin-film forces, 609
Thinning behavior, 375
Transcutol, 115
Transdermal drug delivery, 403
Triton X-100, 107
Triton X-100/C<sub>10</sub>H<sub>21</sub>OH/H<sub>2</sub>O, 587

Ultrafiltration, 695

Vesicles, 71 Video enhanced microscopy, 195 Viscosity, 623 Vomeronasal receptor, 651

Water-in-crude-oil emulsions, 623 Water-soluble polymers, 253 Wax, 635 Wax deposition, 635 Wetting, 391

X-ray reflection and diffraction, 443



